REMARKS

Claims 1, 3-9, 11-17, and 19-24 are pending in the application. Claims 1, 3-9, 11-17, and 19-24 have been rejected.

The Examiner has indicated that the Specification should not include Attorney Docket Number information. The specification has been amended to address this issue.

Claims 17, and 19 - 24 stand rejected under 35 U.S.C. § 112, first paragraph and under 35 U.S.C. § 101. Claim 17 has been amended to set forth computer storage medium and is thus believed to comply with the written description requirement and to be statutory.

Claims 1, 3-8, 9, 11-16, 18 and 19-24 stand rejected under 35 U.S.C. § 101 as directed to non-statutory subject matter. Claims 1, 9 and 17 have been amended to specify that the application-based name for the instance of the application is stored in a computer storage medium. Accordingly, it is believed that claims 1, 9 and 17 provide a practical application and are thus statutory.

Claims 7, 15 and 23 stand rejected under 35 U.S.C. § 112, second paragraph. Claims 7, 15 and 23 have been amended to address overcome this rejection.

Claims 1, 3-9, 11-17 and 19-24 stand rejected under 35 U.S.C. § 102(e) as being anticipated by Lango et al., U.S. Patent No. 6,813,690 (Lango). This rejection is respectfully traversed.

The present invention relates to naming services which support an instance of a naming system. The application sets forth that

> [a] "naming system" is a connected set of context of the same type, i.e., having the same naming convention, and providing the same set of operations with identical semantics. A "naming service" is a service that is offered to support an instance of a naming system; e.g., a naming service may be a set of APIs that provide the operations that are required to implement the syntactic rules for generating and manipulating names within the naming system. (Chang Application ¶ 0033.)

Additionally, when discussing the application based naming system of the present invention, the application sets forth:

an application-based name is a compound name that comprises an application name and at least one deployment name. An application name is an atomic name that is associated with one or more instances of an application. A deployment name is an atomic name that is associated with a deployment attribute. A deployment attribute may include any metadata that characterizes the manner in which a particular instance of an application is deployed within a distributed data processing system. For example, a deployment attributed may characterize a series of versions of an application, each version being similar to each other yet differing in certain elements or features of a period of time. A deployment attribute may include: deployment identifier (ID),which may be a unique identifier associated with the deployment operation, wherein the identifier may be unique, for example, over all deployment operations, within the distributed data processing system or over all deployment operations for versions or instance of a particular application; a version number/identifier or an edition number/identifier associated with a version of the application, e.g., a version number that increases over time to identify each iteration of improvements in a series of modifications to an application; or some other identifier for a deployment-associated characteristic or metric, such as a date on which the deployment was performed. (Chang Application ¶ 0056.)

More specifically, the present invention, as set forth by independent claim 1, relates to a method for processing names by a naming service within a data processing system. The method includes obtaining an application name that is associated with an application; obtaining a deployment name that is associated with a deployment attribute that characterizes a deployment of an instance of the application; and generating an application-based name for the instance of the application, where the application-based name represents a context within a naming system, the application-based name is a compound name that comprises the application name and the deployment name the deployment attribute is a metadata value that characterizes a manner in which the instance of the application is deployed within the data processing system.

The present invention, as set forth by independent claim 9, relates to an apparatus for processing names by a naming service within a data processing system. The apparatus includes means for obtaining an application name that is associated with an application, means for obtaining a deployment name that is associated with a deployment attribute that characterizes a deployment of an instance of the application, and means for generating an application-based name for the instance of the application, where the application-based name represents a context within a naming system, where the application-based name is a compound name that comprises

the application name and the deployment name and the deployment attribute is a metadata value that characterizes a manner in which the instance of the application is deployed within the data processing system.

The present invention, as set forth by independent claim 17, relates to a computer program product in a computer-readable medium for use in a data processing system for processing names by a naming service. The computer program product includes means for obtaining an application name that is associated with an application, means for obtaining a deployment name that is associated with a deployment attribute that characterizes a deployment of an instance of the application, and means for generating an application-based name for the instance of the application, where the application-based name represents a context within a naming system, the application-based name is a compound name that comprises the application name and the deployment name and the deployment attribute is a metadata value that characterizes a manner in which the instance of the application is deployed within the data processing system.

Lango relates to techniques for caching media data, including streaming media data, using content-sensitive identifiers. Lango sets forth that

> there is a need for techniques that enable a caching proxy or a caching server to unambiguously determine the version of media data cached by the caching proxy for a particular data point or data reference (e.g., a URL) such that an appropriate version of the media data is served to a requesting client system in an efficient and economical manner. (Lango, Col. 2, lines 57 – 64.)

The technique set forth by Lango includes content-sensitive identifiers that enable a caching proxy or a caching server to unambiguously determine the version or contents of media data cached by the caching proxy for a particular data pointer or data reference (e.g., a URL) such that an appropriate version of the media data can be served to a requesting client system.

When discussing the obtaining an application name element, the Examiner sets forth:

> "obtaining an application name that is associated with an application" (see [column 9, lines 20-60] wherein media data is equivalent to Applicant's "application" and URL associated with the media data is equivalent to Applicant's "application name"; also see [column 1, lines 65-67] and [column 2, lines 1-5]); (Office action dated January 10, 2007, page 6).

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It is respectfully submitted that the media data disclosed by Lango is not equivalent to an application as disclosed and claimed in the present invention. An application includes code which executes where media data is data that must be executed by something.

When discussing the obtaining a deployment name element, the Examiner further sets forth:

"obtaining a deployment name that is associated with a deployment attribute that characterizes a deployment of an instance of the application" (see [column 1, lines 65-67] and [column 2, lines 1-5]); (Office action dated January 10, 2007, page 6).

It is respectfully submitted that the information related to various attributes and properties of the medium is not equivalent to a deployment name much less to a deployment name that is associated with a deployment attribute that characterizes a deployment of an instance of an application, as required by independent claims 1, 9 and 17.

More specifically, Lango does not teach or suggest a method for processing names by a naming service within a data processing system, where the method includes obtaining an application name that is associated with an application; obtaining a deployment name that is associated with a deployment attribute that characterizes a deployment of an instance of the application; and generating an application-based name for the instance of the application, much less such a method where *the application-based name is a compound name that comprises the application name and the deployment name* and where *a deployment attribute is a metadata value that characterizes a manner in which the instance of the application is deployed within the data processing system*, all as required by claim 1. Accordingly, claim 1 is allowable over Lango. Claims 2 - 8 depend from claim 1 and are allowable for at least this reason.

Lango does not teach or suggest an apparatus for processing names by a naming service within a data processing system, where the apparatus includes means for obtaining an application name that is associated with an application, means for obtaining a deployment name that is associated with a deployment attribute that characterizes a deployment of an instance of the application, and means for generating an application-based name for the instance of the application, much less such a system where *the application-based name is a compound name that comprises the application name and the deployment name* and where *a deployment attribute*

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is a metadata value that characterizes a manner in which the instance of the application is deployed within the data processing system, all as required by claim 9. Accordingly, claim 9 is allowable over Lango. Claims 10 - 16 depend from claim 9 and are allowable for at least this reason.

Lango does not teach or suggest a computer program product in a computer-readable medium for use in a data processing system for processing names by a naming service, where the computer program product includes means for obtaining an application name that is associated with an application, means for obtaining a deployment name that is associated with a deployment attribute that characterizes a deployment of an instance of the application, and means for generating an application-based name for the instance of the application, much less such a computer program product where *the application-based name is a compound name that comprises the application name and the deployment name* and where *a deployment attribute is a metadata value that characterizes a manner in which the instance of the application is deployed within the data processing system*, all as required by claim 17. Accordingly, claim 17 is allowable over Lango. Claims 18 - 24 depend from claim 17 and are allowable for at least this reason.

CONCLUSION

In view of the amendments and remarks set forth herein, the application is believed to be in condition for allowance and a notice to that effect is solicited. Nonetheless, should any issues remain that might be subject to resolution through a telephonic interview, the examiner is requested to telephone the undersigned.

The Commissioner is authorized to deduct any additional fees which may be necessary and to credit any overpayment to Deposit Account No. 65362.

I hereby certify that this correspondence is being electronically submitted to the COMMISSIONER FOR PATENTS via EFS on April 5, 2007.

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Respectfully submitted,

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